

HALF YEARLY PROGRESS REPORT

FIRST

Name of Research Scholar	Preety Maimom
Name of the Faculty	Department of Life Sciences
Topic of Ph. D. Work	INVESTIGATION ON GENETIC ENGINEERING FOR IMPROVING QUALITY AND PRODUCTIVITY OF CROPS: SUSTAINABLE AGRICULTURE AND GLOBAL FOOD SECURITY
Session of the Registration	
ResearchGuide/Supervisor's Name	Dr. Shrikant Sharma

I. Progress against Planned Work

SL	Duration		Planned work	Actual work
	From	To		
	Sep 2020	March 2021	CHAPTER INTRODUCTION Research Background, The Resource-Based View, The global status View, GTAP Model, Objectives, Hypotheses	Chapter -1 Work was going on
			Need and Scope of the Study	Going on
			Need and Scope of the Study	CHAPTER -1 was final framed and was made.

			Outline of Thesis	
			CHAPTER 2: LITERATURE REVIEW	In process

II. Details of Publication

SL	Title of the Paper	Journal/ Conferences	Volume & No. / Venue & Dates	Page No.

III. SEMINAR

Date:

Preety M

Signature of the Research Scholar

IV. Recommendation of Research Guide

Certified that the performance of the Research Scholar is: Satisfactory/ not Satisfactory

Comments:

Shilpa

Name & Signature of Research Guide

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SECOND

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Topic of Ph. D. Work	INVESTIGATION ON GENETIC ENGINEERING FOR IMPROVING QUALITY AND PRODUCTIVITY OF CROPS: SUSTAINABLE AGRICULTURE AND GLOBAL FOOD SECURITY
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I. Progress against Planned Work

SL	Duration		Planned work	Actual work
	From	To		
	March 2021	Sep 2021	The literature study begins Genetically engineered crops, development of commercial Gmo, consequences of crops generating Cry proteins, financial prosperity transgenic disease traits, including herbicide-resistant vegetables, canola, but also cotton shirts, Bacillus subtilis (Bt) corn, the transgenic agricultural industry, Modern technologies like	After writing chapter -1 CHAPTER -2 Was finally framed

			functional genomic and sequencing methods integrated pest management (IPM) strategy	
			Overall Research Design Multiple Case Studies Research Design strategies Data collection Statistical analysis GEMPACK tool GTAP concept Research potential economic effects of commercialising GM crops in India, Economic strategies Ethical Issues	Chapter 3 Methodology was going on

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THIRD

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Session of the Registration	
Research Guide/Supervisor's Name	Dr. Shrikant Sharma

I. Progress against Planned Work

SL	Duration		Planned work	Actual work
	From	To		
	Sep 2021	March 2022	Overall Research Design Multiple Case Studies Research Design strategies Data collection Statistical analysis GEMPACK tool GTAP concept Research potential economic effects of commercialising GM crops in India, Economic strategies Ethical Issues	Chapter 3 Methodology was framed

			<p>CHAPTER 4: Result and Discussion Assessment of economic impact under various scenarios</p> <p>Scenario 1: Commercialization of GM cotton in India</p> <p>Scenario 2: Commoditization of genetically modified (GM) crops</p> <p>Scenario 3: India adopts gm crops.</p> <p>Scenario 4: India removes its 20 percent import tax from GM crops.</p> <p>Scenario 5: Intermediate inputs used in gm rice and industries.</p> <p>Scenario 6: A preferential shift forward into rice locally manufactured and allied industries, with labelling regulations</p>	<p>Chapter -4 Work is in process</p> <p>And</p>
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III. SEMINAR

Date:

Preety . M
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Comments:

Shrikant
Name & Signature of Research Guide

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FOURTH

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Session of the Registration	
Research Guide/Supervisor's Name	Dr. Shrikant Sharma

I. Progress against Planned Work

SL	Duration		Planned work	Actual work
	From	To		
	March 2022	Sep 2022	CHAPTER 4: DISCUSSION Favourable preference change favoring GM grains, economic elements is significantly reduced, significant drop in consumer prices.	CHAPTER 4: Finally framed
			CHAPTER 5: CONCLUSION AND	Finally made chapter -6


			<p>FUTURE PROSPECTS</p> <p>GM crops benefit both the environmental quality Significantly increase income and alleviate poverty Less robust IPR protection and hence cheaper seed costs Resistant to abiotic stressors depleting natural resource base and rising demand for agricultural goods. Substantial contribution to global food security and sustainable development.</p>	<p>CONCLUSION AND FUTURE PROSPECTS</p>
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Comments:

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